



Outcome-based 18/SU Course Syllabus

Course Rubric Number Section: ABDR 1458 1001
Lecture-Lab-Credit: 2-4-4
CIP Code: 47.0603
Course Title: Intermediate Refinishing
Course Description: Training in mixing and spraying of automotive topcoats. Emphasis on formula ingredient, reducing, thinning, and special spraying techniques. Introduction to partial panel refinishing techniques and current industry paint removal techniques.
Prerequisites: Take ABDR-1371; Minimum grade C,CR;
Co-requisites:
Course Meets: 1FC1 110 LEC W 08:00AM 09:50AM 1ARL 101 LAB W 10:00AM 11:50AM 1ARL 101 LAB W 01:00PM 02:50PM

Instructor: David Reed
Office Phone Number: 254-8673396
Email Address: ddreed@tstc.edu
Office Fax Number: 254-867-2315
Building & Office Room Number: Fentress 120
Office Hours: Monday 8-5pm

Approved by: Clint Campbell	Date: 2018-04-30
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Course Outcomes

- CO1:** Select paint formulas and ingredients
- CO2:** Mix topcoats
- CO3:** Perform proper reduction and application techniques
- CO4:** Perform partial panel refinishing tasks

TSTC Grading Policy

(Grades for courses must be C or better)

Grade	Percent	Description	Grade Points
A	90-100	Excellent/Superior Performance Level	4
B	80-89	Above Required Performance Level	3
C	70-79	Minimum Required Performance Level	2
D	60-69	Below Required Performance Level	1
F	Below 60	Failure to meet Performance Requirements	0
IP	--	In Progress	
W	--	Withdrawal	0
CR	--	Credit	0
AUD	--	Audit of Course	0

See College Catalog for complete descriptions.

Competencies Rating Scale

Rating Scale Key			
6	90+	Proficient	Student consistently performs the task accurately to industry standards without supervision.
5	80-89	Proficient	Student performs the task to industry standards with no supervision.
4	70-79	Proficient	Student performs the task to industry standards with little supervision. This is the minimum performance rating for STAR skill completion.
3	60-69	Exposed/Not Proficient	Student has been introduced to the task and can perform some of the tasks to industry standards.
2	50-59	Exposed/Not Proficient	Student has been introduced to the task, but cannot perform the task to industry standards.
1	0-49		Student was absent or did not complete assignment.

Campus Standard Policies

The [Student Handbook](#) contains valuable information on campus policies and procedures.

- Student Code of Conduct
- Student Drug and Alcohol Testing Policy
- Plagiarism
- Student Grievances and Complaints

Disability Services

Any student who, because of a disability, may require special accommodations in order to meet the course requirements, should contact the Disability Services office, as soon as possible, to make necessary arrangements. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Disability Services office has been provided.

Abilene Campus

Susan Hash
Testing and Support Services
Abilene Main Campus Bldg. Rm. 112
325-734-3641

Breckenridge Campus

Lisa Langford
Testing and Advisement located in
The Main Building Rm. 106
254-559-7731

Brownwood Campus

Nicole Whitley
Testing and Advisement
Building 2 Rm. 120
325-641-5955

Fort Bend Campus

Schauna Boynton
Brazos Center Rm. 113
346-239-3394

Harlingen Campus

Corina De La Rosa
Disabilities Services
Student Support Services
Student Services Bldg. Rm. 216
956-364-4521

Marshall Campus

Annette Ellis
Administration and Admissions Rm. 150
909-923-3313

Sweetwater Campus

Misty Walden
Disability Services
Student Support Services
Lance Sears Building Rm. 140
325-236-8292

North Texas Campus

Amanda Warren
Student Services, Room 227
972-617-4724

Waco Campus

Marilyn Harren
Disabilities Services Office
Student Services Center Rm. 198
254-867-3600

Williamson County

Chemese Armstrong

Enrollment Services Rm. B113C
512-759-5907

Tutoring Statement

The Supplemental Instruction & Tutoring Program at TSTC offers free tutoring and academic support services to help you achieve your academic and career goals. You can access the Tutoring Schedule, as well as *MyTSTC Video Tutor Library*, by visiting: https://portal.tstc.edu/student/Student_Learning/Pages/Tutoring.aspx (shortened link: goo.gl/Z9vJvY). For more information, please contact Norma A. Salazar@ [956-364-4557](tel:956-364-4557).

Learning Resource Center

The purpose of the TSTC Learning Resource Center is to serve the TSTC Community and support academic, advanced, specialized and emerging programs, contributing to the educational and economic development of the State of Texas. You can access the Learning

Resources

Tools, Materials:

Item	Resource	Quantity
1	Brushes	2
2	Sponge pads	2 Squeegees
3	3-Ring loose leaf binder	1
4	Tool box	1
5	Solvent Resistant gloves	2 pair
6	White Coverall, disposable	1 pair
7	Particle masks	10
8	Sanding block	1
9	Paint Respirator	1
10	New Chemical cartridges	2
11	Pre-filters	2
12	Razor blade scraper	1
13	Single edge razor blades	1 pkg.
14	Long board (Hutchins AF-16)	1
15	Clear safety glasses	2 pair
16	HVLP paint gun (Harbor Freight)	1
17	regulator Air (for paint gun)	1
18	Air coupler fitting (Milton #729)	1
19	Air coupler fitting (Devilbiss HC-4419)	1
20	Scantrons	1 pkg.

Grade Scheme		
Category Description		Category Value
Final Exam		1000
Assessment Label:	Assessment Description	Assessment Value
Final Exam:	Final Exam	1,000.00
Category Description		Category Value
Lab		1000
Assessment Label:	Assessment Description	Assessment Value
Safety Quiz 1:	Safety test	25.00
Lab performance 1:	Use intermix system	25.00
Lab Performance 2:	Determine type and color of paint on vehicle Color code retrieval	100.00
Lab 3 Performance:	Select and use seam sealers	25.00
Lab Performance 4:	Apply Chip resistant coatings	25.00
Lab Performance 5:	Overall Bed side Test	675.00
Lab 15 Performance:	Lab Objective work sheet	100.00
Lab Performance 6:	Lab Materials Check in sheet	25.00
Category Description		Category Value
Lecture		1000
Assessment Label:	Assessment Description	Assessment Value
Lesson 1 Test :	Identify between finish systems	50.00
Lesson 2 Test:	Select and understand the use of repair finish parts	50.00
Lesson 3 Test:	Determine type and color of paint on vehicle	50.00
Lesson 4 Test:	Lesson 4 Test Remove paint and clean surface	50.00
Lesson 5 Test:	lean surface and apply metal cleaner	50.00
Lesson 6 Test :	Apply Prime, Sealer , Primer Surfacer	50.00
Lesson 7 Test:	Block sand to level Surface	50.00
Lesson 8 Test:	Prepare adjacent panel for blend	50.00
Lesson 9 Test:	Seam Sealers	50.00

Lesson 10 Test :	Chip resistant coating	50.00
Lesson 1 Homework:	Lesson 1 Homework Identify between finish systems	25.00
Lesson 2 Homework :	Lesson 2 Homework Select and understand the use of repair finish parts	25.00
Lesson 3 Homework:	Remove paint and clean surface	25.00
Lesson 4 Homework:	Remove paint and clean surface	25.00
Lesson 5 Homework:	Clean surface and apply metal cleaner	25.00
Mid Term Test:	Mid Term Test	275.00
Lesson 6 Homework:	Apply Prime, Sealer , Primer Surfacer	25.00
Lesson 7 Homework:	Block sand to level Surface	25.00
Lesson 8 Homework:	Prepare adjacent panel for blend	25.00
Lesson 9 Homework:	Seam Sealers and chip resistant coatings	25.00
Total Assessment Points		3,000.00
Total Category Points		3,000.00
A = 3,000-2,700	B = 2,699-2,400	C = 2,399-2,100
		D = 2,099-1,800
		F = 1,799-0

Description of Graded Elements of the Course			
Assessment Label	Assessment Description/Course outcomes met	Assessment Value in Points	% of Final Grade
Safety Quiz 1	Safety test Course outcomes met: CO1, CO2, CO3, CO4	25.00	0.83%
Lesson 1 Homework	Lesson 1 Homework Identify between finish systems Course outcomes met: CO1, CO2, CO3	25.00	0.83%
Lab performance 1	Use intermix system Course outcomes met: CO1, CO2, CO3	25.00	0.83%
Lesson 2 Homework	Lesson 2 Homework Select and understand the use of repair finish parts Course outcomes met: CO1, CO2, CO3	25.00	0.83%
Lesson 1 Test	Identify between finish systems Course outcomes met: CO1, CO2, CO3	50.00	1.67%
Lab Performance 2	Determine type and color of paint on vehicle Color code retrieval Course outcomes met: CO1, CO2, CO3	100.00	3.33%
Lesson 3 Homework	Remove paint and clean surface Course outcomes met: CO4	25.00	0.83%
Lesson 2 Test	Select and understand the use of repair finish parts Course outcomes met: CO1, CO2, CO3	50.00	1.67%
Lesson 4 Homework	Remove paint and clean surface Course outcomes met: CO4	25.00	0.83%
Lesson 3 Test	Determine type and color of paint on vehicle Course outcomes met: CO1	50.00	1.67%
Lesson 5 Homework	Clean surface and apply metal cleaner Course outcomes met: CO4	25.00	0.83%
Lesson 4 Test	Lesson 4 Test Remove paint and clean surface Course outcomes met: CO4	50.00	1.67%
Lesson 6 Homework	Apply Prime, Sealer , Primer Surfacer Course outcomes met: CO4	25.00	0.83%
Lesson 5 Test	Clean surface and apply metal cleaner Course outcomes met: CO4	50.00	1.67%
Mid Term Test	Mid Term Test Course outcomes met: CO1, CO2, CO3	275.00	9.17%
Lesson 7 Homework	Block sand to level Surface Course outcomes met: CO4, CO2, CO3	25.00	0.83%
Lesson 6 Test	Apply Prime, Sealer , Primer Surfacer Course outcomes met: CO4	50.00	1.67%
Lesson 8 Homework	Prepare adjacent panel for blend Course outcomes met: CO2, CO3, CO4	25.00	0.83%
Lesson 7 Test	Block sand to level Surface Course outcomes met: CO2, CO3, CO4	50.00	1.67%

Lab 3 Performance	Select and use seam sealers Course outcomes met: CO3	25.00	0.83%
Lesson 9 Homework	Seam Sealers and chip resistant coatings Course outcomes met: CO1, CO3	25.00	0.83%
Lesson 8 Test	Prepare adjacent panel for blend Course outcomes met: CO2, CO3, CO4	50.00	1.67%
Lesson 9 Test	Seam Sealers Course outcomes met: CO1, CO3	50.00	1.67%
Lab Performance 4	Apply Chip resistant coatings Course outcomes met: CO3, CO4	25.00	0.83%
Lesson 10 Test	Chip resistant coating Course outcomes met: CO1, CO3	50.00	1.67%
Lab Performance 5	Overall Bed side Test Course outcomes met: CO1, CO2, CO3	675.00	22.50%
Lab 15 Performance	Lab Objective work sheet Course outcomes met: CO1, CO2, CO3, CO4	100.00	3.33%
Lab Performance 6	Lab Materials Check in sheet Course outcomes met: CO4	25.00	0.83%
Final Exam	Final Exam Course outcomes met: CO1, CO2, CO3	1,000.00	33.33%
		3,000.00	100.00%

Safety Procedures

Students are required to participate in a safety lecture prior to performing in the laboratory portion of the course. A written test will be given to each participating student covering the presented safety materials. Students must complete the safety test with 100% accuracy prior to receiving lab assignments.

All lecture and laboratory safety rules and regulations will be followed in every detail. Failure to comply with this policy will result in dismissal from class until further notice.

- NIOSH approved with clear safety glasses will be worn at all times
 - Full-toed shoes (no slippers, sandals, flip-flops, or bare feet)
 - Full length pants (must extend past ankles)
 - Pants must fit around waist within 3 inches of belly button
 - Shirts (no sleeveless or tank tops)
 - Shirts with and without buttons can be worn with instructor approval on neck opening exposure
 - Clothing must be reasonably snug fitting (not excessively loose, baggy, torn)
 - An inappropriate slogan on clothing is not acceptable.
 - Jogging clothes, sweats, or warm-ups are not acceptable.
 - Acceptable headgear: ball caps or bump caps (**No** do-rags, bandanas or shower caps)
 - The Instructor has the final authority concerning matters of dress
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- Smoking in classrooms, laboratories and shops are prohibited
 - Smoking is permitted only in designated areas
 - Smoking is prohibited within 20 feet of a building, when permitted
 - Smoking is prohibited within the fenced area surrounding the ACM and CAT Labs.
 - The consumption of drinks, candy and other food items is restricted to lounge areas
 - Eating or drinking in laboratories are hazardous because of the toxic nature of lab materials being handled
 - No horseplay at any time
 - Be responsible – Be a professional

Participation Policy

A Student is expected to attend and participate during the scheduled period of instruction (lecture and lab). This begins with the first scheduled class day of the term. **A student deemed a non-participant for more than 10% (__ days) of the lecture or 10% (__ days) of the lab periods, regardless of grades earned on assignments, will have to repeat the course.**

A student is considered tardy up to 15 minutes into the scheduled lecture or lab, and thereafter will be considered a non-participant for that period of instruction.

A sum of two tardies is equivalent to one non- participation period.

Late Work/ Test Policies

All students are required to be present for class. However, unexpected circumstances will occur. If a student has an excused absence, death or illness in the immediate family, the student must notify the instructor of record immediately. If a test is missed, the instructor has to give permission for make up. The missed test must be made up before the next scheduled period of instruction.

An excused absence only allows for make up of missed assignments or test. The absence is recorded.

Assignments are due at the beginning of class of the set due date. Late assignments will not be accepted and a grade of "zero" will be earned for said assignment. Students who prior contacted the instructor may be considered excused.

PopTests

Can be given at any time by the instructor and are not make up items.

Exemptions:

Students can be exempted from a final exam if:

- A. Lecture average is 90 or above
- B. Attendance is perfect
- C. Assignments are completed and turned in
- D. Projects are complete

Plagiarism:

Plagiarism is the unauthorized use of someone else's material, which is then presented as being the result of one's own research or insight. Plagiarism is intellectual theft and is unacceptable in any endeavor.

Any student/students found guilty of this offense will earn a failing grade for the course.

Cell Phone Policy

Cell phones may not be brought into the classroom or lab as they are unsafe and disruptive to the environment.

Anyone failing to adhere to this policy will be dismissed from class and issued a non-participation grade (absence) for that period of instruction.

Departmental Awards Ceremony/ Cleanup Policy

Each student is expected to participate in the awards ceremony and cleanup activities once the date has been identified.

Students final exam grade is dependent upon their participation at these functions. One half (1/2) of the final exam grade for the course is participation. One half (1/2) of the final exam grade is completing the final exam for the course.

Students with unexpected circumstances can be excused by the department chair only.

TSTC school calendar identifies the end of the semester. Student break begins the day after..

Course Schedule			
Unit/	Unit Description/Objectives	Assessment Label:Description	Due Date

Week		
1	Week #1 Introduction of the course Syllabus and Requirements. Safety/ Orientation	
	<ul style="list-style-type: none"> Identify all fire exits and safety equipment in the lab 	<i>Lab 1</i> <i>Identify all fire exits and safety equipment in the lab</i> Safety Quiz 1: Safety test End of class
2	Week # 2 Lesson 1 Identify between finish systems	
	<ul style="list-style-type: none"> Describe the paint and primers for each automotive finishing system 	<i>Lab 2</i> <i>Describe the different types of under coatings</i> Lesson 1 Homework: Lesson 1 Homework Identify between finish systems Next week
3	Week # 3 Lesson 2 Select and understand the use of repair finish parts	
	<ul style="list-style-type: none"> Describe the types of finish repair 	<i>Lab 3</i> <i>Select and understand the use of repair finish parts</i> Lab performance 1: Use intermix system Next week Lesson 2 Homework : Lesson 2 Homework Select and understand the use of repair finish parts Next week Lesson 1 Test : Identify between finish systems End of class
4	Week # 4 Lesson 3 Determine type and color of paint on vehicle	
	<ul style="list-style-type: none"> Identify the color of a vehicles finish Identify inter mix paint 	Lab Performance 2: Determine type and color of paint on vehicle Next week Color code retrieval Lesson 3 Homework: Remove paint and clean surface Next week Lesson 2 Test: Select and understand the use of repair finish parts End of class
5	Week # 5 Lesson 4 Remove paint and clean surface	
	<ul style="list-style-type: none"> Describe how to work safely using paint removal methods 	<i>Lab 5</i> <i>Describe how to work safely using paint removal methods</i> Lesson 4 Homework: Remove paint and clean surface Next week Lesson 3 Test: Determine type and color of paint on vehicle End of class
6	Week # 6 Lesson 5 Clean surface and apply metal cleaner	
	<ul style="list-style-type: none"> Identify the two primary corrosion protection methods and how collision repair work can create corrosion hot spots. 	<i>Lab 6</i> <i>Clean surface and apply metal cleaner</i> Lesson 5 Homework: Clean surface and apply metal cleaner Next week Lesson 4 Test: Lesson 4 Test Remove paint and clean surface End of class
7	Week # 7 Lesson 6 Apply Prime, Sealer , Primer Surfacer	
	<ul style="list-style-type: none"> Describe why proper corrosion protection is important. Describe and apply primer, primer surfacer 	<i>Lab 7</i> <i>Clean surface and apply metal treatment</i> Lesson 6 Homework: Apply Prime, Sealer , Primer Surfacer Next week Lesson 5 Test: lean surface and apply metal cleaner End of class
8	Week # 8 Mid Term Test	
	<ul style="list-style-type: none"> Mid Term Test 	<i>Lab 8</i> <i>Apply primer, primer surfacer and block sand to level surface.</i> Mid Term Test: Mid Term Test End of class
9	Week # 9 Lesson 7 Block sand to level Surface	

	<ul style="list-style-type: none"> Describe how to featheredge. Describe why block sanding to level the surface is important 	<i>Lab 9</i> <i>Apply Prime, Sealer , Primer Surfacer</i> <i>Block sand to level Surface</i> <i>Apply primer, primer surfacer and block sand to level surface</i> Lesson 7 Homework: Block sand to level Surface Next week Lesson 6 Test : Apply Prime, Sealer , Primer Surfacer End of class
10	Week #10 Lesson 8 Prepare adjacent panel for blend	
	<ul style="list-style-type: none"> Describe preparing of adjacent panels for blending. 	<i>Lab 10</i> <i>Prepare adjacent panel for blend</i> Lesson 8 Homework: Prepare adjacent panel for blend Next week Lesson 7 Test: Block sand to level Surface End of class
11	Week #11 Lesson 9 Seam Sealers	
	<ul style="list-style-type: none"> Describe why proper treatment of joint and seams are import Describe and apply seam sealers 	Lab 3 Performance: Select and use seam sealers End of class Lesson 9 Homework: Seam Sealers and chip resistant coatings Next week Lesson 8 Test: Prepare adjacent panel for blend End of class
12	Week #12 Lesson 10 Chip resistant Coatings	
	<ul style="list-style-type: none"> Describe and apply chip resistant coating 	<i>Lab 12</i> <i>Select and use chip resistant coatings</i> Lesson 9 Test: Seam Sealers End of class
13	Week #13 Lesson 10 Test Chip resistant coating	
	<ul style="list-style-type: none"> Test Chip resistant coatings 	Lab Performance 4: Apply Chip resistant coatings End of class <i>Lab 13</i> <i>Apply Primer,Primer surfacer,</i> <i>Block sand to level Surface</i> Lesson 10 Test : Chip resistant coating End of class
14	Week #14 Review for Final exam	
	<ul style="list-style-type: none"> Review for Final exam 	<i>Lab 14</i> <i>Apply Primer</i> <i>Apply Primer surfacer,</i> <i>Block sand to level Surface</i> <i>Finish up Lab objectives</i> Lab Performance 5: Overall Bed side Test End of class
15	Week #15 Final Exam	
	<ul style="list-style-type: none"> Final Exam 	Lab 15 Performance: Lab Objective work sheet End of Class Lab Performance 6: Lab Materials Check in sheet End of Class Final Exam: Final Exam End of Class